FLYING MODEL ROCKET

ENGINE PAK

- 3 ENGINES
- 4 IGN[illegible]S
- RECOVERY WADDING

SALE 41¼

REGISTERED

ICC – CLASS C TOY PROPELLANT DEVICE

COMPLIES WITH NFPA CODE FOR MODEL ROCKETRY NO. 41L

READ AND FOLLOW ALL INSTRUCTIONS BEFORE LAUNCHING ROCKETS

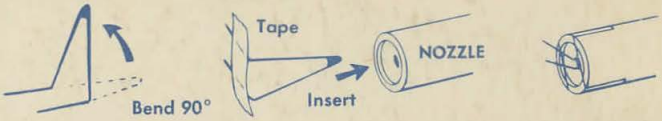
WARNING:
FLAMMABLE• DO NOT INCINERATE
KEEP OUT OF REACH OF CHILDREN

ENGINE INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE LAUNCHING

Pack flame proof wadding into the body tube from the top, pushing it down toward the engine. Fold the parachute carefully and pack it on top of the wadding. Pack the shroud lines and shock cord on top of chute and insert the nosecone or adapter section in place.

Bend ignitor at 90° angle as shown. Remove paper backing from tape and insert in orifice of engine until contact with propellant is made. Fold tape down onto engine to hold ignitor in place.



Insert engine into rocket until it is held firmly in place by engine clip. If your kit does not require an engine clip, then tape until a very tight fit is obtained. Failure to do so will cause engine to eject rather than recovery device.

A check should be made to be sure that the safety key is NOT in hand launcher. It is a good idea to have the safety key attached to a string around the neck. This will insure against accidental launching.

Approach launch pad and lower model onto the launch rod by sliding the launch lug over rod. Attach one micro clip to each of the ignitor leads extending from engine. Retreat to launch control and give an audible warning to persons in the area that a countdown is about to begin. Insert safety key in hand control and begin countdown procedure from "countdown card" included in every MPC model rocket kit.

NOTICE

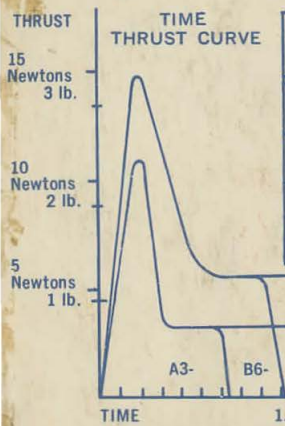
These engines are specifically designed for use in model rocket systems. Store in a cool, dry place not subject to temperatures exceeding 150 degrees F. Engines which show signs of physical damage should be destroyed. Model Products Corporation shall not be held responsible for any personal injury or property damage resulting from the handling, storage or use of these engines. The buyer assumes all risks and liabilities therefrom and accepts and uses these engines on these conditions. No warranty, either expressed or implied, is made regarding the reliability or performance of these engines.

FIRST AID

1. If the propellant is orally ingested, induce vomiting and consult a physician immediately.
2. For mild burns, use ointments which are contained in approved first aid kits. In case of severe burns, consult a physician.

IN CASE OF FIRE

Any fires resulting from the use of these engines can be extinguished with any approved fire extinguisher.



MOTOR TYPE	MAX. TOTAL IMPULSE	AVERAGE THRUST	THRUST DURATION	PROPELLANT WEIGHT
A3-	2.50N sec. .56 lb. sec.	3.4N	.63 sec.	3.20 grm.
B3-	5.00N sec. 1.12 lb. sec	3.4N	1.32 sec.	5.50 grm.
B6-	(SAME)	6.0N	.90 sec.	6.00 grm.
C6-	10.00N sec. 2.24 lb. sec.	6.09N	1.64 sec.	11.00 grm.

ROCKET ENGINE DATA

MEASUREMENT CONVERSION SYSTEM

4.45 Newtons = 1 pound
28.35 grams = 1 ounce
16 ounces = 1 pound
.3048 meters = 1 foot

ABBREVIATIONS

lb. = pound
N = Newtons
sec. = seconds
grm. = gram
oz. = ounce
ft. = foot

MODEL PRODUCTS CORPORATION MOUNT CLEMENS, MICH. 48043